

Notice of Allowability

Application No.

10/682,024

Examiner

Anthony J. Canning

Applicant(s)

OHISHI ET AL.

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/3/06.
2. ☒ The allowed claim(s) is/are 2-19,21 and 22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Acknowledgment of Amendment

1. The amendment to the instant application was entered on 3 March 2006. The examiner acknowledges the amendments to claims 2-16, the cancellation of claims 1 and 20, and the newly added claims 21 and 22.

Allowable Subject Matter

2. Claims 2-19, 21 and 22 are allowed.

The following is an examiner's statement of reasons for allowance.

3. As to claims 2, 15 and 16, the prior art of record fails to teach or reasonably suggest a flat panel display that has a metal sheet, black sheet or conductive sheet with a plurality of holes, each hole corresponding to one of the cold cathode element, wherein each hole has a phosphor therein, and the thickness of the metal sheet, black sheet or conductive sheet is greater than a thickness of the phosphor disposed within the hole, wherein the display substrate further includes an adherent layer for affixing the metal sheet, black sheet or conductive sheet to a light-transmissive substrate.

4. As to claim 19, the prior art of record fails to teach or reasonably suggest a flat panel display that has a light transmissive display substrate and a rear substrate, spacers interposed between the rear and display substrate, an electrically conductive sheet with a plurality of holes disposed thereon, each hole corresponding to one of the cold cathode element, wherein each hole has a phosphor therein, and the thickness of the electrically conductive sheet is greater than a

thickness of the phosphor disposed within the hole, the electrically conductive sheet further including recesses for holding the spacers.

5. As to claims 3-14, claims 3-14 are allowable for the reasons given for claim 2 and the dependency of claims 3-14 on claim 2.

6. As to claims 17 and 18, claims 17 and 18 are allowable for the reasons given for claim 16 and the dependency of claims 17 and 18 on claim 16.

7. As to claims 21 and 22, claims 21 and 22 are allowable for the reasons given for claim 19 and the dependency of claims 21 and 22 on claim 19.

8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony J. Canning whose telephone number is (571)-272-2486. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh D. Patel can be reached on (571)-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Anthony Canning *ac*
23 March 2006

Ashok Patel
ASHOK PATEL
PRIMARY EXAMINER